

# 1998 Human Factors Information System Report for Plant Docket 362

Combined IR/ER/LER Report  
Docket: 50-362 SAN ONOFRE 3

Total Number of Hits in Date Range: 102  
From 01/01/1998 to 12/31/1998  
2x National Average: 255

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 3			
Percent of total: 2.94			
53-Communication LT	E-Electrical	T-Testing	50-362/1998003
	E-Electrical		
54-No communication	O-Operations	T-Testing	50-362/1998004
	O-Operations		
54-No communication	O-Operations	T-Testing	50-362/1998004
	O-Operations		
Communications ER			
Number of items: 0			
Percent of total: 0			
Communications LER			
Number of items: 0			
Percent of total: 0			
Human-System Interface and Environm IR			
Number of items: 5			
Percent of total: 4.9			
61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-362/1997027
61-Labels LTA	O-Operations	O-Control Room Ops	50-362/1997027
61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-362/1997027
61-Labels LTA	O-Operations	O-Control Room Ops	50-362/1997027
61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-362/1998003
Human-System Interface and Environm ER			
Number of items: 0			
Percent of total: 0			
Human-System Interface and Environm LER			
Number of items: 0			
Percent of total: 0			
Management and Supervision IR			
Number of items: 2			
Percent of total: 1.96			
41-Action not begun	O-Operations	Z-Other	50-362/1998005
40-Individual Corre	O-Operations	Z-Other	50-362/1998007
Management and Supervision ER			
Number of items: 2			
Percent of total: 1.96			
32-Supervision / co	O-Operations	Z-Other	50-362/1998301
32-Supervision / co	O-Operations	Z-Other	50-362/1998301
Management and Supervision LER			
Number of items: 1			
Percent of total: .98			
32-Supervision / co	U-Unknown	K-Housekeeping	50-361/199800700
Organizational Issues IR			
Number of items: 0			
Percent of total: 0			
Organizational Issues ER			
Number of items: 0			
Percent of total: 0			
Organizational Issues LER			
Number of items: 0			
Percent of total: 0			
Procedures and Reference Document IR			
Number of items: 16			
Percent of total: 15.69			

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Procedures and Reference Document IR			
Number of items: 16			
Percent of Total: 15.69			
12-Procedure techni	G-Engineering	G-Design	50-362/1997027
12-Procedure techni	G-Engineering	G-Design	50-362/199722_
13-Procedure has hu	G-Engineering	G-Design	50-362/1998001
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-362/1998004
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-362/1998004
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-362/1998004
13-Procedure has hu	D-Emergency Plannin	P-Procedure Dev	50-362/1998004
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-362/1998005
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-362/1998005
11-No procedure / r	P-Procedure Writers	P-Procedure Dev	50-362/1998006
11-No procedure / r	P-Procedure Writers	P-Procedure Dev	50-362/1998006
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-362/1998007
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-362/1998007
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-362/1998013
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-362/1998013
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-362/1998013

Procedures and Reference Document ER  
Number of items: 0  
Percent of total: 0

Procedures and Reference Document LER  
Number of items: 1  
Percent of total: .98  
12-Procedure techni U-Unknown K-Housekeeping 50-361/199800700

Details	Department	Work Type	Docket/Report
Training IR			
Number of items: 13			
Percent of total: 12.75			
02-Training LTA	T-Training	P-Procedure Dev	50-362/1998001
05-Individual knowl	E-Electrical	T-Testing	50-362/1998003
05-Individual knowl	O-Operations	B-Bal of Plant Ops	50-362/1998004
02-Training LTA	T-Training	Z-Other	50-362/1998004
05-Individual knowl	O-Operations	O-Control Room Ops	50-362/1998004
05-Individual knowl	G-Engineering	O-Control Room Ops	50-362/1998004
05-Individual knowl	E-Electrical	S-Surveillance	50-362/1998006
05-Individual knowl	M-Mechanical	H-Health Physics	50-362/1998006
05-Individual knowl	H-Health Physics	H-Health Physics	50-362/1998006
05-Individual knowl	M-Mechanical	M-Maint / Repair	50-362/1998007
05-Individual knowl	M-Mechanical	M-Maint / Repair	50-362/1998007
05-Individual knowl	M-Mechanical	M-Maint / Repair	50-362/1998013
06-Simulator fideli	T-Training	D-Emergency Drill	50-362/1998013

Details	Department	Work Type	Docket/Report
Training ER			
Number of items: 4			
Percent of total: 3.92			
05-Individual knowl	O-Operations	Z-Other	50-362/1998301
06-Simulator fideli	T-Training	Z-Other	50-362/1998301
05-Individual knowl	O-Operations	Z-Other	50-362/1998301
05-Individual knowl	O-Operations	Z-Other	50-362/1998301

Training LER  
Number of items: 0  
Percent of total: 0

Work Factors IR  
Number of items: 54  
Percent of total: 52.94  
Page: 2 Date:01/13/1999

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Details	Department	Work Type	Docket/Report
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## Work Factors IR

Number of items: 54

Percent of Total: 52.94

93-Awareness or att	O-Operations	B-Bal of Plant Ops	50-362/1997027
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-362/1997027
81-Work Package Qua	G-Engineering	G-Design	50-362/199722_
81-Work Package Qua	G-Engineering	G-Design	50-362/199722_
83-Work practice or	G-Engineering	G-Design	50-362/199722_
83-Work practice or	G-Engineering	G-Design	50-362/199722_
83-Work practice or	G-Engineering	A-Administrative	50-362/199722_
83-Work practice or	G-Engineering	G-Design	50-362/199722_
83-Work practice or	G-Engineering	G-Design	50-362/199722_
83-Work practice or	O-Operations	B-Bal of Plant Ops	50-362/1998003
83-Work practice or	O-Operations	B-Bal of Plant Ops	50-362/1998003
83-Work practice or	E-Electrical	T-Testing	50-362/1998003
91-Verification / p	E-Electrical	T-Testing	50-362/1998003
92-Self check LTA	E-Electrical	T-Testing	50-362/1998003
93-Awareness or att	M-Mechanical	H-Health Physics	50-362/1998003
93-Awareness or att	M-Mechanical	H-Health Physics	50-362/1998003
83-Work practice or	M-Mechanical	Z-Other	50-362/1998003
93-Awareness or att	O-Operations	O-Control Room Ops	50-362/1998004
92-Self check LTA	O-Operations	T-Testing	50-362/1998004
84-Non-conserv. dec	O-Operations	T-Testing	50-362/1998004
87-Non-conservative	O-Operations	T-Testing	50-362/1998004
87-Non-conservative	O-Operations	T-Testing	50-362/1998004
92-Self check LTA	Q-QA/QC	M-Maint / Repair	50-362/1998004
93-Awareness or att	Q-QA/QC	M-Maint / Repair	50-362/1998004
91-Verification / p	Q-QA/QC	M-Maint / Repair	50-362/1998004
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-362/1998004
84-Non-conserv. dec	G-Engineering	F-Modification	50-362/1998004
93-Awareness or att	M-Mechanical	H-Health Physics	50-362/1998004
92-Self check LTA	M-Mechanical	H-Health Physics	50-362/1998004
84-Non-conserv. dec	O-Operations	A-Administrative	50-362/1998005
83-Work practice or	E-Electrical	S-Surveillance	50-362/1998006
91-Verification / p	E-Electrical	S-Surveillance	50-362/1998006
82-Briefing, prep.	H-Health Physics	D-Emergency Drill	50-362/1998006
83-Work practice or	O-Operations	B-Bal of Plant Ops	50-362/1998007
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-362/1998007
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-362/1998007
93-Awareness or att	O-Operations	P-Procedure Dev	50-362/1998007
93-Awareness or att	O-Operations	P-Procedure Dev	50-362/1998007
83-Work practice or	I-Instrumentation &	M-Maint / Repair	50-362/1998007
93-Awareness or att	O-Operations	K-Housekeeping	50-362/1998007
93-Awareness or att	O-Operations	O-Control Room Ops	50-362/1998013
93-Awareness or att	E-Electrical	M-Maint / Repair	50-362/1998013
93-Awareness or att	M-Mechanical	A-Administrative	50-362/1998013
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-362/1998013
84-Non-conserv. dec	M-Mechanical	M-Maint / Repair	50-362/1998013
93-Awareness or att	G-Engineering	A-Administrative	50-362/1998013
93-Awareness or att	G-Engineering	A-Administrative	50-362/1998013
93-Awareness or att	G-Engineering	A-Administrative	50-362/1998013
93-Awareness or att	G-Engineering	G-Design	50-362/1998013
93-Awareness or att	G-Engineering	G-Design	50-362/1998013

Page: 3

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## Work Factors IR

Number of items: 54

Percent of Total: 52.94

93-Awareness or att	G-Engineering	G-Design	50-362/1998013
93-Awareness or att	G-Engineering	G-Design	50-362/1998013
81-Work Package Qua	G-Engineering	G-Design	50-362/1998013
94-Log-keeping or r	D-Emergency Plannin	D-Emergency Drill	50-362/1998013

## Work Factors ER

Number of items: 0

Percent of total: 0

## Work Factors LER

Number of items: 1

Percent of total: .98

84-Non-conserv. dec	G-Engineering	G-Design	50-361/199800500
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Page: 4

Date:01/13/1999

[End of File for Plant Docket 362 (1998)]

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